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## PATENT ABSTRACTS OF JAPAN

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(21) Application number: **11114685**(71) Applicant: **TOYOTA MOTOR CORP**(22) Date of filing: **22.04.99**(72) Inventor: **HARA NAOYUKI**(54) **EXHAUST GAS CLEANING CATALYST**

downstream side of the exhaust gas.

(57) Abstract:

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**PROBLEM TO BE SOLVED:** To further improve the durability of an exhaust gas cleaning catalyst of NOx occlusion reduction type by suppressing the sulfur poisoning of an NOx occlusion material, particularly the sulfur poisoning of an NOx occlusion material caused by the readsorption of SOx on a section positioned on the downstream side from the gas purifying catalyst in the exhaust gas stream.

**SOLUTION:** The exhaust gas cleaning catalyst provided in a flow path of an exhaust from a lean-burn engine and cleaning exhaust gas is constituted of a base, a carrier composed of a porous oxide formed into the laminar shape on the surface of the base, a precious metal and an NOx occlusion material carried on the carrier and a coated layer composed of at least one kind of titania and silica coating the surface of the carrier on a position located at least on the

